

Kortuem, G.
THERMOCHROMISM, PIEZOCHROMISM, PHOTOC-
CHROMISM, AND PHOTOMAGNETISM. [1961] 23p.
(14 figs. omitted) 30 refs.
Order from SLA \$2.60

62-10595

Trans. of Ange[wandte] Chem[ie] (West Germany) 1958,
v. 70 [no. 1] p. 14-[20].

DESCRIPTORS: *Anthrones, *Stereochemistry, Mole-
cules, *Molecular structure, Chemical equilibrium,
Thermodynamics, Molecular isomerism, Colors,
Magnetism.

The above 4 phenomena, some of which have been known
earlier, and some of which are of recent discovery,
may be observed and clearly interpreted on the same
molecule, such as dehydrodianthrone and its deriva-
(Chemistry--Physical, TT, v. 8, no. 6) (over)

62-10595

1. Title: Thermochemism
2. Title: Piezochemism
3. Title: Photochemism
4. Title: Photomagnetism
1. Kortuem, G.

Office of Technical Services

Complex Formation and Reactivity in Organometallic
Chemistry, by G. Wittig, 27 pp.

GERMAN, per, Angewandte Chemie, Vol ~~70~~^{LXX}, No. 3, 1956
pp 65-71

ATS-51-GJ
SLA 63-20300

Sci -
Sep 63

The Continuous Preparation of Phenyl Sodium,
by H. Ruschig, R. Fugmann, W. Meixner, 7pp
GERMAN, per, Angew Chem, Vol 70, 1958, No 3,
pp 71-72
SLA TT-64-30125

Sci - Eng
May 67

327,408

Martin, H.
FORMATION REACTIONS OF NITROXYCHLORIDE,
28 July 61, 6p. 7 refs.
Order from SLA \$1.10

63-10572

Trans. of Angewandte Chemie (West Germany) 1958,
v. 70, no. 4, p. 97-98.

DESCRIPTORS: *Chemical reactions, *Nitrogen
compounds, *Oxychlorides, Condensation reactions,
Distillation, Dynamics, Equations, *Chlorides.

(Chemistry--Physical, TT, v. 9, no. 10)

63-10572

I. Martin, H.

Office of Technical Services

Winkler, H.
EXTENT OF PROTECTION OF CHEMICAL PAT-
ENTS FROM THE VIEWPOINT OF THE INFRINGE-
MENT JUDGE. [1958] 34p. 45 refs.
Order from SLA ml\$3.00, ph\$6.30 61-10446

Trans. of Angewandte Chemie (West Germany) 1958,
v. 70, no. 5, p. 117-123.

In Germany, patent protection extends beyond that which is directly stated in the patent claims. This broadened protection of the inventor, however, leads to a certain ambiguity regarding rights. The concepts "subject matter of the invention", "state of the art", "poorer performance", and the "general idea of the invention" are therefore defined more accurately here. In juxtaposition to each other. By means of examples it is shown how the interests of the inventor and the patent plaintiff are to be bounded and according to what principles the extent of patent protection is set up by the courts in the infringement action. (Author) (Pre-Social Sciences, TT, v. 5, no. 7) (over)

61-10446

I. Patents--Germany
I. Winkler, H.

148,511

Office of Technical Services

Dersin, H
INTERPRETATION OF THE EXTENT OF PROTECTION OF CHEMICAL PATENTS AND DETERMINATION IN ADVANCE OF THE EXTENT OF PROTECTION WITHIN THE COMPASS OF THE GRANTING PROCEDURE. [1958] 26p. 21 refs.
Order from: S.A. nu\$2.70, ph\$4.80

61-10447

Trans. of Angewandte Chemie (West Germany) 1958, v. 70, no. 5, p. 123-128.

An interpretation is given of the extent to which the patent office examination procedure would be able to contribute to better safeguarding of rights in the chemical field, especially in the chemical field. An ideal arrangement suggested would be, among other things, the creation of a patent court of justice. However, even today, by cooperation between the courts and the patent office, and by due consideration of the practice of interpretation of the courts, improvements could be attained by the patent office.
(Social Sciences, TT, v. 5, no. 7)

(over)

61-10447

i. Patents--Germany
1. Dersin, H

148,512

Office of Technical Services

Rheinfelder, L.
THE EXTENT OF PROTECTION OF CHEMICAL
PATENTS FROM THE VIEWPOINT OF THE IN-
VENTOR. [1958] 26p. 25 refs.
Order from SLA ml\$2.70, plus\$4.80 61-10445

Trans. of Angewandte Chemie (West Germany) 1958,
v. 70, no. 5, p. 128-133.

A discussion is given on the extent of protection a patent must have to be in the interest of the inventor or how far it may be in the interest of the public. The principles according to which the German infringement courts today determine the extent of protection of a patent correspond to the interests of chemical industry. The extent of protection should first be determined in the infringement process. The examination of a general inventive idea, made valid in an infringement process, relative to patentability, should be left to the patent office. (Author) (An address given October 9, 1957 at the Berlin General Meeting of the (Social Sciences, TT, v. 5, no. 7) (over)

61-10445

1. Patents--Germany
I. Rheinfelder, L.

148,510

Office of Technical Services

Kinetic Isotope Effects and Their Application in
the Investigation of ~~XXXX~~ AZO-Couplings, by H.
Zollinger, 35 pp.

GERMAN, Angew Chem, Vol LXX, 1958, pp 204-210.

AEC-tr-3736

Sci - Chem
Aug 59

94,727

Heterocyclic Azo Dyes Produced by Oxidative
Coupling, by S. Hung, et al.
GERMAN, per, Angewandte Chemie, Vol LXX,
pp 215-222.
Patent Office

Sci - Phys
Apr 65

278,273

The Peroxides of Ether, the Carbonyl Compounds and
the Ozonides, by A. Rieche, 48 JK

GERMAN, per, Angewandte Chemie, Vol LXX, No 9,
1958, pp 251-266.

90766-1

NRCC 53-832

Sci - Chemistry
Jan 61

136,432

1
Quantitative Determination of Organic Peroxy
Compounds in Mixtures, by L. Horner, E. Jurgens,
7 pp.

GERMAN, per, Angewandte Chemie, Vol LXX,
No 9, 1958, pp ~~266-268~~.

Sci
Mar 62
Vol VII, No 3

ATS-97N530
SLA 61-20648
188, 105

Gerischer, H.
PASSIVITY OF METALS. [1962] 28p.
Order from ATS \$29.95

ATS-77P60G

Trans. of Angew[andre] Chem[io] (West Germany) 1958,
v. 70, no. 10, p. 285-298.

DESCRIPTORS: *Metals, *Passivity.

(Chemistry--Physical, TT, v. 8, no. 4)

62-17687

I. Gerischer, H.
II. ATS-77P60G
III. Associated Technical
Services, Inc.,
East Orange, N. J.

ATS/984-GJ

Office of Technical Services

Hayek, E. M., Hohenlohe-Profanter, B. Marcic,
and Beetz, E.
GENERAL METHOD OF PREPARING CRYSTALLINE
METAL SALTS. [1963] 8p 2refs
Order from SLA \$1.10

63-18866

Trans. of Angewandte Chemie (West Germany) 1958,
v. 70, p. 307-309.

DESCRIPTORS: *Salts, *Metals, Complex compounds,
Acids, Chemical precipitation, Chemical reactions,
pH, Crystallization.

Microscopically crystalline homogeneous heavy metal
salts are precipitated in a homogeneous system from
an alkaline complex salt solution by lowering the
pH-value. The method is used primarily for the
preparation of neutral and basic difficultly soluble salts,
which are otherwise obtained microscopically
amorphous and inhomogeneous. (Author)
(Chemistry--Physical, TT, v.10, no. 11)

63-18866

I. Hayek, E. M.
II. Hohenlohe-Profanter, B. M.
III. Beetz, E.

Office of Technical Services

Mass Spectrometric Investigation of the Reactions
and Properties of Free Radicals and Atoms, by H. D.
Reckey, 33 pp.

GERMAN, per, Angew Chem, Vol LXX, 1958, pp 327-339.

SLA 59-10235

Sci - Nuc Phys
Sep 59
Vol 2, No 1

97,773

Newer Methods of Preparative Organic
Chemistry, II. 11. Reactions of Sulfur
with Aromatic as Well as Aliphatic
Compounds, by R. Wegler, E. Kahle,
Werner Schafer, 50p.
GERMAN, per, Angewandte Chemie,
Vol 70, No 12, 1958, pp 351-367.
TC-415

336, 159

Sci
Aug 67

On Ferrromagnetic Iron Oxide by R.
Robl.
GERMAN, per, Angewandte Chemie, Vol 70,
1958, pp 367-71.
SLA TT-66-10910

331, 645

Sci
Jul 67

Korte, F. and Weitkamp, H.
MEASUREMENT OF ABSORPTION AND FLUORESCENCE SPECTRA ON PAPER CHROMATOGRAMS [AND SUPPLEMENT]. (Messung von Absorptions- und Fluoreszenzspektren an Papierchromatogrammen) tr. by K. Hirschwender. 10 May 60, 9p. (5 figs. omitted) 3 refs. No. 5-1-60.
Order from OTS or SLA \$1.10 60-17572

Partial trans. (p. 435-437) of Angewandte Chemie (West Germany) 1958, v. 70, no. 14, p. 434-437.

DESCRIPTORS: Absorption, Measurement, *Fluorescence, *Chromatographic analysis, *Paper chromatography.

(Chemistry--Analytical, TT, v. 6, no. 12)

60-17572

I. Korte, F.
II. Weitkamp, H.
III. NII-5-1-60
IV. National Institutes of Health, Bethesda, MD.

OGRI 1

9-11-61

Office of Technical Services

The Carcinostatic Effect of Tetraethyleneiminoben-
zoquinone, by H. Holzer, H. Kroger, P. Scriba, et al,
2 pp.

GERMAN, per, Angewandte Chemie, Vol LXX, 1958, pp 439.

NIH 2-41

Sci - Med

Mer 59

The Course of the Low Pressure Polymerization of
 α -Olefins. Part 1. Complex Polymerization, by
F. Fatah, H. J. Sinn, 11 pp.

GERMAN, per, Angew Chem, Vol LXX, No 16, 1958,
pp 496-500.

ATS 149-03
SLA 59-15914

Sci
Nov 59

100,410

Örtel, H.
CANCEROGENIC SUBSTANCES, OCCUPATIONAL
CANCER, AND CANCER MORTALITY. [1962] 30p
93refs
Order from SLA \$2.60 TT-64-14550
Trans. of Angew[andte] Chem[ie] (West Germany) 1958,
v. 70, no. 17/18, p. 532-539.
Other translations are available from SLA mi\$2.70,
pt\$4.80 as TT-59-10720 [1958] 24p and \$1.60 as
TT-61-20649 [1961] 17p and from K-H \$37.50 as K-H-
9298-e [1962] 30p.

(Biological Sciences--Pathology, TT, v. 11, no. 11)

TT-64-14550

I. Örtel, H.

Office of Technical Services

ROUTES of Hydrogen in the Living Organization, by
T. Bucher, H. Klingenberg, 52 pp.

GERMAN, per, Angew Chem, Vol LXX, 1958, pp 552-
570.

HYE 5-2

Sci - Med

Jun 59

88,239

Sundermeyer, W. and Glemser, O.
NEW METHOD FOR THE PREPARATION OF SILICON
AND BORON HYDRIDES. [1963] 11p
Order from K-H \$11.00

K-H 8529 a

Trans. of Angewandte Chemie (West Germany) 1958
[v. 70] 21 Oct, p. 625-627.

DESCRIPTORS: *Silicon compounds, *Hydrides,
*Borohydrides, Preparation, Synthesis (Chemistry).

(Chemistry--Inorganic, TT, v. 10, no. 10)

63-22498

- I. Sundermeyer, W.
- II. Glemser, O.
- III. K-H-8529-a
- IV. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

Office of Technical Services

Phosphoryl pyrophosphate and 9- β -D-glucopyranosyl-2- β -D-xylopyranoside, the biological
precursors of Squalene III. The Biosynthesis
of the Steroids, by P. Lynen, E. Regen, G.
V. Rinning, I. Kappel, 18 pp.

GERMAN, GER, Angew Chem, Vol. LXX, 1958, pp
738-742.

WIN 2-8

Sci - Med
Mar 59

ATC/1036-GI 808, 784

Thermal Decomposition of Phosphorus
Nitrilochloride Polymers, by F. Patat, P. Deret,
0

GERMAN, per, Angewandte Chemie, Vol LXXI, No 3,
pp 105-110. 1959

C.S.I.R.O.

Sci

May 60

116,100

Progress in the Field of High Polymers in the USA, by
S. M. Atlas, H. Mark, 20 pp.

GERMAN, per, Angew Chem, Vol LXXI, No 3, 1959,
pp 110-119.

SLA 59-15673

Sci
Dec 59
Vol 2, No 5

104, 252

Intercalation Compounds of Alkali and Alkaline
Earth Metals in Molybdenum Disulfide and Tungsten
Disulfide, by W. Rudorff, H. H. Sick, 2 p.

GERMAN, per, Angew Chem, 1959, Vol LXXI, No 3,
p 127,

SLA 59-17936

Sci
Mar 60
Vol 2, No 11

109,559

Schffer, Harald.

METHOD OF SEPARATING THE ELEMENTS NIOBIUM AND TANTALUM, AND FOUNDATIONS THEREOF.

Rept. 19 on Niobium and Tantalum. [1963] 27p. (figs. tables omitted) 134 refs.

Order from SLA \$2.60

63-14204

Trans. of Angewandte Chemie (West Germany) 1959, v. 71, no. 4, p. 153-160.

DESCRIPTORS: *Niobium, *Tantalum, Separation, Oxidation, Hydrolysis, *Distillation, Chromatographic analysis, Chlorides, Reduction (Chemistry), Acids, Crystallization, Oxalates.

The methods of niobium-tantalum separation are arranged and discussed from a unified point of view. By far the majority and the best of the known methods are based on the difference in stability of lower oxidation steps or middle hydrolysis steps. (Author) (Engineering--Chemical, TT, v. 10, no. 5)

63-14204

I. Schffer, H.

Office of Technical Services

Catalytic Reactions of Olefins With Platinum-Metal Compounds. The Consortium Process For the Preparation of Acetaldehyde, by J. Smidt, W. Hafner and others, 18 pp.

GERMAN, Per, Angew Chem, 1959, Vol LXXI, pp 176-182.

75-776-GJ
SLA 59-15333

Sci
Nov 59
Vol 2, No 3

100,954

The Stereospecific Polymerization of Vinyl Ethers,
by G. Natta, G. dall' Asta, et al, 14 pp.

GERMAN, per, Angewandte Chemie, Vol LXXI, No 6,
1959, pp 205-210.

SLA 59-15761
OTS 88-14208

Sci
Dec 59
Vol 2, No 4

102, 714

Köbel, H. and Kühn, P.
STRUCTURE AND PROPERTIES OF SURFACE-
ACTIVE AGENTS. I. MEASUREMENTS ON p-n-
ALKYLBENZENE SULFONATES. [1961] 19p. 41 refs.
Order from SLA \$1.60 61-16186

Trans. of Angew[andte] Chem[ie] (West Germany) 1959.
v. 71, no. 6, p. 211-215.

DESCRIPTORS: *Sulfonates, *Detergents, *Wetting
agents, *Phenyl radicals, Alkyl radicals, Textiles,
Processing.

The textile-chemical properties (surface tension, in-
terfacial tension, wetting capacity, emulsifying power,
foaming capacity, foam stability, soil suspending power,
cleaning power) of p-n-alkylbenzene sulfonates were in-
vestigated as a function of their alkyl chain lengths.
Surface activity in the textile chemical sense begins at
an alkyl chain length of 7-8 C-atoms. The lowering of
the surface and interfacial tensions, as well as the
(Chemistry--Organic, TT, v. 6, no. 3) (over)

61-16186

I. Köbel, H.
II. Kühn, P.
III. Title: Measurements...

U.S. 175255

175255

Office of Technical Services

Flame Photometry. I, by G. Pietska, H. Chun,
18 pp.

GERMAN, per, Angewandte Chemie, Vol LXXI, No 8,
1959, pp 276-283. 9088297

A.C.S.I.L. No 1333

Sci - Phys

Jul 62

203, 138

New Methods of Preparative Organic Chemistry II,
by L. Horner, E. Winkelmann.

GERMAN, per, Angewandte Chemie, Vol LXXI, No 11,
7 Jun 1959, pp 349-365.

NCB A.1859
R.1858

Sci

Aug 61

List No 41

163,540

The Biochemical Function of Biotin, by F. Lynen,
J. Knappe, E. Lorch, G. Jutting, E. Ringelmann, 27 pp.

GERMAN, per, Angewandte Chemie, Vol LXVI,
No 15/16, 21 Aug 1959, pp 481-486.

NIH 1-1-60

Sci - *ofm*

Jan 60

107,521

New Directions in Polarography, by
M. Von Stackelberg, H. Schmidt, 4 pp.

GERMAN, par, Angewandte Chemie, Vol LXXXI,
No 15/16, 1959, pp 50 -512.

CSIRO

Sci - Chem
Nov 61

174,390

Interclation Compounds with Alkali and
Earth Alkali Metals, by W. Hudec.

GERMAN, par, Angewandte Chemie,
Vol LXXI, No 15/16, 1959, pp 487-491.

CSIRO 4770

Sci - Min/Inst
Jul 62

204,872

Cremer, Erika.
THE TESTING OF ADSORBENTS AND CATALYSTS
WITH THE AID OF GAS CHROMATOGRAPHY
(Prüfung von Adsorbentien und Katalysatoren mit Hilfe
der Gas-Chromatographie). [1961] [9]p. 17 refs.
Order from SLA \$1.10 61-10855

Trans. of Angewandte Chemie (West Germany) 1959,
v. 71 [no. 15/16] p. 512-514.

DESCRIPTORS: *Adsorbents, *Catalysts, *Gas
chromatography, Surface properties, *Adsorption,
Magnesium compounds, Oxides, Carbon.

(Chemistry--Physical, TT, v. 6, no. 2)

61-10855

1. Cremer, E.

108725

Office of Technical Services

Chemical Supervision of the Dissemination of
Radioactive Substances, by G. Herrmann, 49 pp.

GERMAN, per, Angew Chem: Vol LXXI, 1959,
pp 561-571.

AEC NP Tr-430

Sci - Chem
Aug 60

124,006

Use of Saponifiable Emulsifiers in the Plastics
Field, by G. Messwarb, E. Paschke, et al.

GERMAN, per, Angewandte Chemie, Vol LXXI, No 19,
1959, pp 604-608.

CSIRO

Sci - Chem

Jun 61

156,935

Determination of the Average Radical Concentration
Per Latex Particle in Emulsion Polymerisation, by
H. Gerrens,

GERMAN, per, Angew Chem, Vol LXXI, No 19, 1959,
pp 608-612.

AT 339-6J

ATS 339-GJ

Sci - Chem

Aug 60

123,325

Cross-Linking of Polyethylene With Ultraviolet
Light, by H. Wilski,

GERMAN
PATENT

~~WILSKI~~, per, Angew Chem, Vol. LXXI, No 19, 1959,
pp 612-619.

100-100-100

ATS 336-GJ

Sci - Chem

123,322

Aug 60

Beermann, C. and Bestian, H.
METAL-ORGANIC TITANIUM COMPOUNDS AS
POLYMERIZATION CATALYSTS. Rept. from the Ex-
panded Macromolecular Colloquium, Freiburg U.,
6 Mar 59. 14 Apr 60 [19]p. 18 refs.
Order from SLA \$1.60

61-16711

Trans. of Angew[andte] Chem[ie] (West Germany) 1959,
v. 71 [no. 19] p. 618-623.
Another translation is available from ATS \$14.80 as
ATS-96M45G [1960] 12p.

DESCRIPTORS: *Titanium compounds, *Polymerization,
*Catalysts, *Metalorganic compounds, Chlorides,
Alkyl radicals, Aluminum compounds, Ethylenes,
Halides.

From mixtures of titanium tetrachloride and alkyl
aluminum compounds, organo-titanium halides $RTiCl_3$
and R_2TiCl_2 can be isolated. The pure, aluminum-free
compounds in presence of their decomposition products
(Chemistry--Organic, TT, v. 6, no. 5) (over)

61-16711

I. Beermann, C.
II. Bestian, H.
III. Title: Expanded...

180488

ATS-702-GJ

Office of Technical Services

γ,γ -Dimethyl-Allyl-Pyrophosphate and
Geranyl Pyrophosphate, Biological Precursors
of Squalene, by P. Lynen, B. W. Agranoff, H.
Eggerer, U. Henning, E. M. Moslein, 29 pp.

GERMAN, per, Angewandte Chemie, Vol LXXI, No 21,
7 Nov 1959, pp 657-662.

NIH 3-5-60

Sci - Chem

May 60

117,300

TT-65-12143

Field 11F

Kirschfeld, L.
THE COMBUSTIBILITY OF METALS IN OXYGEN. I. THE
SPEED OF COMBUSTION OF IRON WIRES IN OXYGEN
AT REST. 13p, (figs omitted) 8refs.
Order from SLA: \$1.60 as TT-65-12143

Trans. of Angewandte Chemie (West Germany) v71 n21
p663-7 1959.

I. Kirschfeld, L.
II. Title: Speed ...

MR 626

Biosynthesis of an Enzyme Information,
Induction, Repression, by Jacques Monod, 14 pp.

GERMAN, per, Angewandte Chemie, Vol LXXI,
No 22, 1959, pp 685-691.

NIH 3-54-62

Handwritten signature

199, 708

Sci - Med

Jun 62

Köbel, H. and Hörig, K.
CONSTITUTION AND PROPERTIES OF SURFACTANTS
II. SORPTION OF ANIONIC SURFACTANTS ON
TEXTILE FIBERS. [27 Jun 63] [19p] 15refs
Order from SLA \$1. 60

TT-64-10933

Trans. of Angewandte Chemie (West Germany) 1959,
v. 71, p. 691-697.

(See also TT-62-20452)

(Materials--Textiles, TT, v. 11, no. 12)

TT-64-10933

I. Köbel, H.
II. Hörig, K.
III. Title: Sorption...

Office of Technical Services

APPROVED FOR RELEASE: 2005/08/09 CIA-RDP91-00403R000200730034-8

Mechanism of the Clemmensen Reduction, by
D. Staschewski.

GERMAN, per, Angewandte Chemie, Vol 71, 1959, pp 726-
736.

WTC-71-11308-07C

Nov 71

APPROVED FOR RELEASE: 2005/08/09 CIA-RDP91-00403R000200730034-8

TT-65-12260

Field 7C

Theilacker, W.; Wegner, E.
NEW METHODS OF PREPARATIVE ORGANIC CHEMISTRY
III. 1. SYNTHESSES WITH CHLORAMINE IN ORGANIC
CHEMISTRY. 15p, 50refs.
Order from SLA: \$1.60 as TT-65-12260

Trans. of Angewandte Chemie (West Germany)
v72 n4 p127-31 1960.

I. Theilacker, W.
II. Wegner, E.
III. Title: Syntheses ...

MR 628

Oxygen-Isoe Cases, by J. Segochan.

OSIHOI, pur, Sussexandite Chemie,
Vol. IXIUI, 1960, pp 132-135.

OSIHO

Sci - Chem

Oct 61

171,302

Synthesis of Alkanediols From Noncyclic
Through Boron Heterocycles, by R. Koster,
G. Köttermund, 3 pp.

GERMAN, per, Angewandte Chemie, Vol. LXXII,
No 4, 1960, pp 138-139.

SLA 60-16904

Sci
26 May 62
Vol IV, No 8

198, 241

Wacker, A. and Träger, L.
SIMPLE TITRATION OF ORGANIC COMPOUNDS
(Einfache Titrierung Organischer Verbindungen).
[23 May 63] [5]p. 6 refs.
Order from SLA \$1. 10

63-18274

Trans. of Angewandte Chemie (West Germany) 1960,
v. 72, no. 5, p. 168-169.

DESCRIPTORS: *Radiation chemistry, *Labeled sub-
stances, Organic compounds, *Tritium, *Uranium,
Absorption, Glass, *Laboratory equipment, Design,
*Volumetric analysis.

Tritium as well as uranium is absorbed and, if
necessary, also desorbed safely in a glass apparatus
and used according to Wilzbach for tritium labelling.
(Author)

(Chemistry--Analytical, TT, v. 10, no. 11)

63-18274

I. Wacker, A.
II. Träger, L.

Office of Technical Services

Properties and Bonding of Boron Hydride
Derivatives, by A. B. Burg, 23 pp.

GERMAN, par, Angew Chem, Vol LXXII, No 6, 1960,
pp 183-193. _____

ATS-159A3G

AT 1/21/62 J

195, 979

Sci

Vol 4, No 10
May 62

Ochoa, Severo.
THE ENZYMIC SYNTHESIS OF RIBONUCLEIC
ACID (RNA). [1962] [16]p. 38 refs.
Order from SLS. \$1.60 (2-1100)

Trans. of Angewandte Chemie (West Germany) Div.,
v. 74, p. 225-231.

DESCRIPTORS: *Enzymes, *Synthesis, *Nucleic
acids, Genetics, Viruses, Nucleotides,
Nucleoproteins.

(biological Sciences--Biochemistry, 77, v. 3, no. 9)

68-1681

L. Evans, Jr.

5045-104-10150-100

newer Methods of Preparative Organic Chemistry/
III. 2. Preparation of Esters, Amines and
Anhydrides of Phosphoric Acid, by F. Cramer, 75 pp

GERMAN, per, Angew Chemie, Vol LXXII, 1960,
pp 236-249. -9077352

AEC Tr-4565

Sci - Chem
Jun 61

157,734

Atlas, S. M. and Mark, H. F.
HIGH TEMPERATURE POLYMERS. [1961] [26]p.
29 refs.
Order from SLA \$2.60 62-10111

Trans. of Angewandte Chemie (West Germany) 1960,
v. 72, no. 7/8, p. 249-[258].

DESCRIPTORS: *Polymers, *Heat resistant polymers,
*High temperature research, Chemical reactions,
Resins, Distilling plants, Decomposition, Stability,
Organic materials, Production.

(Chemistry--Organic, TT, v. 7, no. 8)

62-10111

I. Atlas, S. M.
II. Mark, H. F.

201310

Office of Technical Services

Ring Closure of 2,2'-Dilithiobiphenyl by
Triaryltin and Lead Halides,
GERMAN, per, Angewandte Chemie, Vol LXXII,
1960, p 322.
*AEC

Jan 66
Sci-

APPROVED FOR RELEASE: 2005/08/09 CIA-RDP91-00403R000200730034-8

Hydrogen Fluoride Glass, by J. Schroeder
GERMAN, per, Angewandte Chemie, Vol 72, 1964,
pp 344-345
NTC 71-15252-073

mar 72

APPROVED FOR RELEASE: 2005/08/09 CIA-RDP91-00403R000200730034-8

Polymeric Hydrogen Cynaide, by Th. Voelker.
GOVERNMENT USE ONLY
GERMAN, per, Angew Chem, Vol 72, No 11,
1960, pp 379-384.
NASA TT F-12,014

ATS-425-63

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Sci-Chem
June 69

383,147

Electron Transfer by Light Absorption and Emission
in Electron Donor-Acceptor Complexes, by G. Briegleb,
J. Czekałya, 53 pp.

GERMAN, per, Angew Chem, Vol LXXII, No 12, 1960,
pp 401-413. 9077350

AEC UCRL-Trans 654

Sci - Chem
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AT 1941-0J
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Rapid EE Polarography, by Siegfried Woll. 1947.

GERMAN, per, Angew Chem, Vol LXXII, 1960,
pp 449-454.

ABC-Pr-5627

Sci - Phys
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231,860

Born, H. J. and Riehl, N.
DETERMINATION OF TRACE AMOUNTS OF
OXYGEN IN SOLIDS BY ACTIVATION ANALYSIS.
[1961] Sp.

Order from ATS \$12.70

ATS-89N4SG

Trans. of Angew[andte] Chem[ie]. (West Germany)
1960, v. 72, no. 16, p. 559-562.

61-12994

- I. Oxygen--Determination
2. Radioactivation analysis--
Applications
- I. Born, H. J.
- II. Riehl, N.
- III. ATS-89N4SG
- IV. Associated Technical Serv-
ices, Inc., East Orange,
N. J.

108915

Office of Technical Services

(Chemistry--Analytical, TT, v. 5, no. 10)

(30 4777)

Preparative and Spectroscopic Investigations of the
Oxides of the Elements of the 4th, 5th and 6th Groups
of the Periodic Table, by A. Simon, 2/77

GERMAN, per, Angewandte Chemie, No 16, 21 Aug 1960,
p 565. *part*

*JPRS 641-
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Sci - Chemistry

7 Nov 60

Dehydrobenzene From o-Iodophenyl Mercury
Iodide, by G. Wittig, H. P. Ebel,

GERMAN, per, Angewandte Chemie, Vol LXXII,
21 Aug 1960, pp 564.

TFIS-N.S.1

Sci
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May 62

<p>Wilke, G. NEW DATA ON CYCLIC BUTADIENE OLIGOMERS. [1961] Sp. 3 refs. Order from SLA mi\$1.80, ph\$1.80 Trans. of Angew[andte] Chem[ie] (West Germany) 1960, v. 72, no. 16, p. 581-582.</p>	<p>61-10789</p> <ol style="list-style-type: none">1. Cyclododecatriene-- Synthesis2. Butadienes--Chemical reactions3. Nickel compounds (Organic)-- Chemical reactions4. Title: Oligomers I. Wilke, G.
<p>151859</p>	<p>Office of Technical Services</p>
<p>(Chemistry--Organic, TT, v. 5, no. 9)</p>	

(11477) .

Synthesis of N-substituted Tertiary Amines That Act on
the Central Nervous System, by J. Porszasz,
B. Matkovics, S. Foldeak, *1/1*

GERMAN, per, Angewandte Chemie, No 17, 7 Sep 1960,
p. 635.

J
*JPRS 67471
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(100-1777)
Investigations on Fluorozirconates, by L. Kolditz,
A. Feltz, 1 p.

GERMAN, per, Angewandte Chemie, No 17, 7 Sep 1960,
pp 634-635.

*JPRS 6494

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7 Nov 60

Hauffe, K.
ELECTROPHOTOGRAPHY. [1961] 25p. (13 figs.
omitted) 27 refs.

Order from SLA \$2.60

62-10418

Trans. of Angew[andte] Chem[ie] (West Germany)
1960, v. 72, no. 19/20, p. 730-738.

DESCRIPTORS: *Electrophotography, Zinc com-
pounds, Oxides, Photoconductivity, Photoelectric
effect, Electrostatics.

(Materials--Photographic, TT, v. 7, no. 9)

62-10418

I. Hauffe, K.

Office of Technical Services

Riedel, O. and Kienitz, H.
THE FORMATION OF TEREPHTHALATE BY RE-
ARRANGEMENT OF CARBOXYL GROUPS IN A
14CO₂-ATMOSPHERE. [1961] 8p. 3 refs.
Order from S.L.A. ml\$1.60, pb\$1.60 FI-10788

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1960, v. 72 [no. 19/20] p. 738-740.

151858

(Chemistry--Organic, TT, v. 5, no. 9)

FI-10788

1. Phthalates--Chemical reactions
 2. Carboxyl groups--Chemical reactions
- I. Riedel, O.
 - II. Kienitz, H.

K-H-10546

Office of Technical Services

(No 4777)

On the Reactivity of Thiophosphoryl Groups in
Thionophosphates, by G. Hilgetag, H. Teichmann,

GERMAN, per, Angewandte Chemie, No 17, 7 Sep 1960,
pp 633-634.

*JPRS 6111
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Sci - Chemistry

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(DC-4799).

Chemical and Spectroscopic Investigations on
Tetramethyldisilazane Derivatives, by H. Kriegsmann,
G. Engelhardt,

GERMAN, per, Angewandte Chemie, No 16, 21 Aug 1960,
pp 583-584.

*JPRS 6434

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Sci - Chemistry

7 Nov 60

(20-7726)
The Thermal Behavior of Methyl-E 605, by Gerhard
Lehmann, /p.

GERMAN, per, Angewandte Chemie, No 16, 21 Aug 1960,
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Detection of Very Small Quantities of Inorganic
Gases With an Ionization Detector, by R.
Lesser, 7 pp.

GERMAN, per, Angewandte Chemie, Vol. LXII,
No 21, 1960, p 775-779 9067009

#775-779

AEC Tr-5287

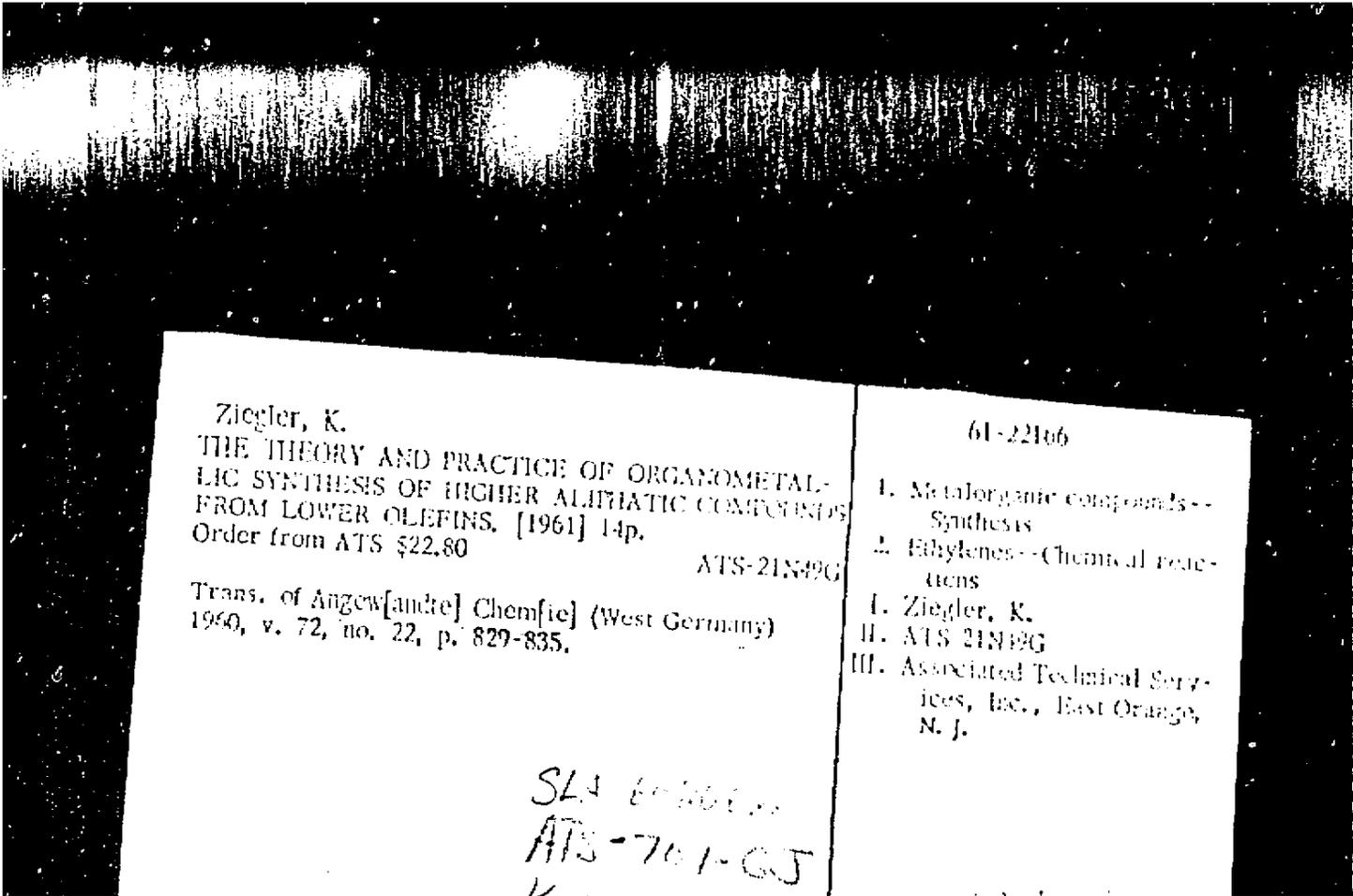
Sci - Phys
Oct 62

212, 533

B151 2411

3,3-Dialkyl-Diazacyclopropene-(1), by
S. R. Paulsen
GERMAN, per, Angewandte Chemie, Vol 72,
1960, pp 781-782
NTC 71-15256-07C

mar 72



Ziegler, K.
THE THEORY AND PRACTICE OF ORGANOMETAL-
LIC SYNTHESIS OF HIGHER ALIPHATIC COMPOUNDS
FROM LOWER OLEFINS. [1961] 14p.
Order from ATS \$22.80

ATS-21N89G

Trans. of Angew[andte] Chemie] (West Germany)
1960, v. 72, no. 22, p. 829-835.

61-22166

- I. Metalorganic compounds--
Synthesis
- II. Ethylenes--Chemical reac-
tions
- I. Ziegler, K.
- II. ATS 21N89G
- III. Associated Technical Ser-
vices, Inc., East Orange,
N. J.

SLI 60-2000
ATS-701-GJ
12

Ellingsfeld, Heinz, Seefelder, Matthias, and
Weidinger, Hans.
AMIDE CHLORIDES AND CARBAMIDE CHLORIDES.
[1961] [30]p. (1 table omitted) 50 refs.
Order from SLA \$2.60

62-10408

Trans. of Angew[andte] Chem[ie] (West Germany)
1960, v. 72, no. 22, p. 836-845.

DESCRIPTORS: *Amides, *Urea, *Chlorides,
Synthesis

A summary of the methods of preparation as well as
application of these compounds is given. The commen-
tary is concerned with the synthesis of alkyl chlorides,

62-10408

I. Ellingsfeld, H.
II. Seefelder, M.
III. Weidinger, H.

201342

Fikentscher, Hans, Gerrens, Heinz, and Schuller,
Helmut.
EMULSION POLYMERIZATION AND SYNTHETIC
LATICES. [1961] 24p. 93 refs.
Order from SLA \$2.60

61-20687

Trans. of Angewandte Chemie (West Germany) 1960,
v. 72, no. 22 [p. 856-864].

DESCRIPTORS: *Colloids, *Polymerization, Chemical
reactions, Particles, Stability, *Synthetic rubber.

During the emulsion polymerization with emulsifiers
the reaction starts in the aqueous phase, in the be-
gining it occurs preponderantly in the emulsifier
micelles, later on in the latex particles formed. Size
and size distribution of the latex particles can be in-
fluenced by reaction conditions and the polymeriza-
tion technique. The stability of the synthetic latices
(Chemistry--Physical, TT, v. 7, no. 5) (over)

61-20687

1. Title: Latex
2. Title: Emulsion polymer-
ization
1. Fikentscher, H.
- II. Gerrens, H.
- III. Schuller, H.

Office of Technical Services

On Silica Gel Layer Chromatography of the
Stereoisomeric Menthols, by H. J. Petrowitz, *J. P.P.*

GERMAN, per, Angewandte Chemie, Vol LXXII, 1960,
p. 921. *7692618*

g Redstone Arsenal

Sci - Chem

Jan 64

US GOVERNMENT Use Only

Bayer, Otto and Müller, Erwin.
VULCOLANES: THE PRINCIPLE OF URETHANE
ELASTOMER PREPARATION. [1961] [14]p. 18 refs.
Order from SLA \$1. 60 62-10053

Trans. of Angewandte Chemie (West Germany) 1960,
v. 72, no. 24, p. 934-939.
Other translations are available from RIS \$30. 00 as
RIS D-669 [1961] 17p. and from SLA \$1. 60 as
61-20991 [1961] [18]p.

DESCRIPTORS: *Elastomers, *Urethanes, Synthetics,
Glycols, Cyanates, Polymers, *Plastics

For abstract see 61-20991 above.

(Materials--Plastics, TT, v. 7, no. 4)

62-10053

- I. Title: Vulkollan
- I. Bayer, O.
- II. Müller, E.
- III. Title: Principle...

RIS D-669

Office of Technical Services

Schubert, Friedrich and Lang, Konrad.
NEW WAYS OF PREPARING SODIUM BOROHYDRIDE,
AND ITS UTILIZATION. 23 Feb 61, 23p. 75 refs.
Order from S.I.A \$2.60 63-10581

Trans. of Angewandte Chemie (West Germany) 1960,
v. 72, no. 24, p. 994-1000.

DESCRIPTORS: *Sodium compounds, *Borohydrides,
Synthesis, Isotope separation, Sand, Physical proper-
ties, Chemical properties, Reduction (Chemistry),
Amines, Hydrogenation, Alkyl radicals,
Bibliographies.

(Chemistry--Inorganic, TT, v. 10, no. 1)

63-10581

I. Schubert, F.
II. Lang, K.

Office of Technical Services

The Bombardier Beetles and their Explosion
Chemistry. Part V. Report Concerning Insect
Repellant Materials, by H. Schildknecht and
K. Holoubek.

GERMAN, per, Angewandte Chemie, Vol 73, No 1,
1961, pp 1-7.

NTC 71-14199-C6F

Feb 72

Chemical Transport Reactions and Their
Uses VII. Communications Concerning
Chemical Transport Reactions, by Harold
Schafer, 16 pp.

GERMAN, par, Angew Chemie, Vol LXXIII,
1961, pp 11-14.

AEC Tr-5258

Sci - Chem
Oct 62

212,646

Schmitz, Ernst.
SYNTHESES WITH N-HALOAMINES. 16 Jul 63, 12p
25refs
Order from SLA \$1.60 TT-63-20726

Trans. of Angewandte Chemie (West Germany) 1961,
v. 73, no. 1, p. 23-25. (Abstract available)

DESCRIPTORS: *Amines, *Halogen compounds, Amides,
Pyrimidines, Hydrazines, Synthesis (Chemistry).

Aldehydes and Schiff bases derived from aldehydes form
alkylated acid amides when reacted with N-chloroalkyl
amines in an aqueous alkaline solution. In organic sol-
vents, though, diaziridines ("isohydrazones") are the
product obtained from Schiff bases and chloroamine or
N-chloroalkyl amines. Hydrolysis of these three-ring
heterocycles leads to mono- or dialkyl hydrazines. The
appropriate N-dibromo amines undergo twofold intra-
molecular bromination upon being irradiated in con-
(Chemistry--Organic, TT, v. 11, no. 4) (over)

TT-63-20726

1. Title: N-Haloamines
I. Schmitz, E.

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Gaseous Ruthenium Oxides at High Temperatures, by
H. Schafer, W. Gerhardt, A. Tebben, 2 pp.

GERMAN, per, Angewandte Chemie, Vol LXXIII, No 1,
1961, p 27. 9095565

AEC NP Tr-811

Mar 62

Schenker, E.
RECENT METHODS OF PREPARATIVE ORGANIC
CHEMISTRY. IV. APPLICATION OF COMPLEX
BOROHYDRIDES AND OF DIBORANE IN ORGANIC
CHEMISTRY. [1962] [84]p. 865 refs.
Order from SLA \$8.10 62-16363

Trans. of Angewandte Chemie (West Germany) 1961,
v. 73, no. 3, p. 81-107.

DESCRIPTORS: Chemistry, Organic compounds, Syn-
thesis, Reduction, *Complex compounds, *Borohy-
drides, Hydrides, *Diboranes.

(Chemistry--Organic, TT, v. 8, no. 7)

62-16363

I. Schenker, E.
II. Title: Application ...

K-H-10895-b

Office of Technical Services

Hellmann, H. and Lingens, F.
ELUCIDATION OF BIOLOGICAL SYNTHETIC CHAINS
BY MEANS OF MICROORGANISMS. [1961] 27p.
118 refs.
Order from SLA \$2.60

61-18687

Trans. of Angew[andte] Chem[ie] (West Germany) 1961,
v. 73, no. 3, p. 107-113.

DESCRIPTORS: *Mutations, Genetics, Biochemical
genetics, *Enzymes, Synthesis, *Microorganisms.

Microorganisms offer especially suitable conditions for
the elucidation of biochemical synthetic chains. They
can be cultured quickly, require little space, are eas-
ily available in numerous species, and can often carry
out synthesis of which higher living organisms are not
capable. But above all, they can be transformed by
(Biological Sciences--Microbiology, TT, v. 7, no. 4)
(over)

61-18687

I. Hellmann, H.
II. Lingens, F.

Office of Technical Services

Ardenne, M. von and others.
ELECTRON-ADDITION MASS SPECTROGRAMS OF
CONDENSED AROMATIC HYDROCARBONS. [1961]
15p. (18 footnotes 15 figs. omitted).
Order from SLA \$1.60

61-20034

Trans. of Ang[ewandte] Chemie (West Germany) 1961,
v. 73, no. 4, p. 136-142.

DESCRIPTORS: *Hydrocarbons, Additives, Oxygen,
Molecular weight, Molecular structure, Organic com-
pounds, *Mass spectroscopy, Electrons, *Naphtha-
lenes, *Anthracenes, *Naphthacenes, *Phenanthrenes,
Fluorenes.

The electron-addition mass spectrography makes pos-
sible the reproducing of spectra, small in the number
of lines, of evaporable organic substances. The elec-
tron-addition molecular mass spectrograms of con-
(Physics--Spectroscopy, TT, v. 7, no. 7) (over)

61-20034

1. Ardenne, M. von

Office of Technical Services